

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	15	("6833862" "5621824" "20020101522" "20020094131" "20030156190" "4482975" "20020135688" "20020165890" "5181098" "4947445" "5267055" "6195469" "6323934" "20020025164" "20030156204").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/30 12:25
S4	1	10/770696.app.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/23 12:41
S5	1	10/222412.app.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/23 12:41
S6	226	348/251.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 08:36
S7	787	348/241.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 08:36
S8	1256	348/222.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 08:36
S9	91	358/3.09.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 08:37
S10	136	358/3.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 08:37
S11	2421	S6 S7 S8 S9 S10	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 10:40
S12	1	10/749669.app.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 09:22
S13	861	S11 and (rectangle square box)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 09:22

## EAST Search History

S14	111	S11 and (elliptical ellipse ellipsis parabolical parabolic parabola paraboloid)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 09:26
S15	226	348/251.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 10:41
S16	787	348/241.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 10:41
S17	1256	348/222.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 10:41
S18	91	358/3.09.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 10:41
S19	136	358/3.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 10:41
S20	2421	S15 S16 S17 S18 S19	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:13
S21	322	S20 and (increment\$3 add\$3) near3 (pixel picel pixcel (photo near1 site) photocell (photo near1 cell) pel photodiode photosensor photo\$sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 10:52
S22	137	S21 and (rectangle square box)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 10:52
S23	302	S21 and (rectangle square box blocks)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 10:53
S24	5	S21 and ((rectangle square box blocks) near3 slope)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 11:05
S25	2	("5973735" "5621824").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/24 11:06

## EAST Search History

S26	2	("6833862" "7098945").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 10:57
S27	290	"348"/\$.ccls: and second adj1 derivative	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 10:59
S28	34	"348"/\$.ccls. and (second adj1 derivative) and (shading vignet\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 12:27
S30	5	"382"/\$.ccls. and (second adj1 derivative) same (shading vignet\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 12:36
S31	16	(second adj1 derivative) same (shading vignet\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 12:42
S32	11	S31 not S30	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 12:37
S33	581	(slope (first adj1 derivative)) same (shading vignet\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 12:42
S34	90	("348"/\$.ccls. "382"/\$.ccls.) and S33	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 13:28
S35	18	(US-20030112339-\$ or US-20040041919-\$ or US-20030234879-\$ or US-20030234866-\$ or US-20030234872-\$ or US-20030234864-\$).did. or (US-7023472-\$ or US-6181830-\$ or US-7098945-\$ or US-7038712-\$ or US-7075569-\$ or US-6734899-\$ or US-5434902-\$ or US-6088059-\$ or US-5381174-\$ or US-6833862-\$ or US-6940546-\$ or US-6670988-\$). did.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 13:28

## EAST Search History

S36	23	(US-20020167523-\$ or US-20030160980-\$ or US-20020094125-\$ or US-20030156733-\$ or US-20030152248-\$ or US-20020054712-\$).did. or (US-5864342-\$ or US-6055066-\$ or US-5138699-\$ or US-6763144-\$ or US-5381174-\$ or US-4857899-\$ or US-5999189-\$ or US-4899294-\$ or US-5475769-\$ or US-4876726-\$ or US-5134477-\$ or US-5764809-\$ or US-6549674-\$ or US-6563537-\$ or US-5491342-\$ or US-6833862-\$). did. or (US-20020135688-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 13:29
S37	40	(US-20030007672-\$ or US-20050179793-\$ or US-20040155970-\$ or US-20020181770-\$).did. or (US-5784100-\$ or US-6670988-\$ or US-5032901-\$ or US-6833862-\$ or US-5285297-\$ or US-6654493-\$ or US-5424781-\$ or US-5381174-\$ or US-4816663-\$ or US-4945405-\$ or US-6181830-\$ or US-5461440-\$ or US-4845551-\$ or US-6055066-\$ or US-5343302-\$ or US-4309723-\$ or US-5699440-\$ or US-5778109-\$ or US-4520395-\$ or US-6654048-\$ or US-5166783-\$ or US-4965754-\$ or US-6707500-\$ or US-6559888-\$ or US-RE35775-\$ or US-5818528-\$). did. or (US-6091445-\$ or US-6707950-\$ or US-5949924-\$ or US-6995794-\$ or US-7023472-\$ or US-7075569-\$ or US-7098945-\$ or US-6744471-\$).did. or (US-20050030383-\$ or EP-654764-\$ or WO-9111075-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 13:29
S38	71	S35 S36 S37	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 13:33
S39	51	S38 and (shading vignet\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 14:07
S40	0	S38 and (second near1 derivative)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 14:02

## EAST Search History

S42	8	S38 and slope	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 14:03
S43	4192	(shading vignet\$4) and slope	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 14:07
S44	294	("348"/\$.ccls "382"/\$.ccls.) and (shading vignet\$4) and slope	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 14:08
S45	30	("348"/\$.ccls "382"/\$.ccls.) and (shading vignet\$4) same slope	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/26 14:08
S46	12	("20010033701"   "20030133019"   "20040174445"   "5162914"   "5402171"   "5576562"   "5982951"   "6097430"   "6243103"   "6744471"   "6833862"   "6963674").PN. OR ("7075569"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 15:36
S47	81	"382"/\$.ccls. and (second adj1 derivative) and (shading vignet\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 12:15
S48	9	("4670896"   "4851984"   "4935946"   "5282254").PN. OR ("5960102"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/27 10:45
S49	226	348/251.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:17
S50	787	348/241.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:17
S51	1257	348/222.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:17
S52	91	358/3.09.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:17

## EAST Search History

S53	136	358/3.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:17
S54	2422	S49 S50 S51 S52 S53	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:17
S55	22	S54 and (shading vignet\$4) and ((increment\$3 add\$3 increas\$3) near3 (previous\$3 prior before earlier preced\$3 formerly))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:22
S56	289	"348"/\$.ccls. and (shading vignet\$4) and ((increment\$3 add\$3 increas\$3) near3 (previous\$3 prior before earlier preced\$3 formerly))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:23
S57	82	"348"/\$.ccls. and (shading vignet\$4) and (((increment\$3 add\$3 increas\$3) near3 (previous\$3 prior before earlier preced\$3 formerly)) with (pixel picel pixcel (photo near1 site) photocell (photo near1 cell) pel photodiode photosensor photo\$sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:24
S58	16	"348"/\$.ccls. and (shading vignet\$4) and (((increment\$3 add\$3 increas\$3) near3 (previous\$3 prior before earlier preced\$3 formerly)) near3 (pixel picel pixcel (photo near1 site) photocell (photo near1 cell) pel photodiode photosensor photo\$sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:26
S59	38	"382"/\$.ccls. and (shading vignet\$4) and (((increment\$3 add\$3 increas\$3) near3 (previous\$3 prior before earlier preced\$3 formerly)) near3 (pixel picel pixcel (photo near1 site) photocell (photo near1 cell) pel photodiode photosensor photo\$sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 12:14
S60	32	S59 not S58	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 11:27

## EAST Search History

S61	0	"396"/\$.ccls. and (shading vignet\$4) and (((increment\$3 add\$3 increas\$3) near3 (previous\$3 prior before earlier preced\$3 formerly)) near3 (pixel picel pixcel (photo near1 site) photocell (photo near1 cell) pel photodiode photosensor photo\$sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 12:14
S62	0	"396"/\$.ccls. and (second adj1 derivative) and (shading vignet\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 12:15
S64	97	"396"/\$.ccls. and (slop\$3) and (shading vignet\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 12:16
S65	20	"396"/\$.ccls. and (slop\$3) same (shading vignet\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/27 12:16
S66	62	("348"/\$.ccls "382"/\$.ccls.) and (shading vignet\$4) and (slope with (pixel picel pixcel (photo near1 site) photocell (photo near1 cell) pel photodiode photosensor photo\$sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/30 10:13
S67	53	("348"/\$.ccls "382"/\$.ccls.) and (shading vignet\$4) and (slope near7 (pixel picel pixcel (photo near1 site) photocell (photo near1 cell) pel photodiode photosensor photo\$sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/30 10:03
S68	402	(shading vignet\$4) and (slope near7 (pixel picel pixcel (photo near1 site) photocell (photo near1 cell) pel photodiode photosensor photo\$sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/30 10:03
S69	185	(shading vignet\$4) and (slope near3 (pixel picel pixcel (photo near1 site) photocell (photo near1 cell) pel photodiode photosensor photo\$sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/30 10:03
S70	21	("348"/\$.ccls "382"/\$.ccls.) and (shading vignet\$4) same (elliptical ellipse ellipsis parabolical parabolic parabola paraboloid)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/30 10:14
S71	3	("6072527" "6614473" "6008511").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/30 12:26

## EAST Search History

S72	17	(US-20040257454-\$ or US-20050041806-\$ or US-20020135688-\$ or US-20040032952-\$ or US-20020025164-\$).did. or (US-5973735-\$ or US-5960102-\$ or US-6833862-\$ or US-5621824-\$ or US-7098945-\$ or US-7075569-\$ or US-6995794-\$ or US-6670988-\$ or US-6088059-\$ or US-5576562-\$ or US-6515763-\$ or US-6195469-\$). did.	US-PGPUB; USPAT	OR	ON	2007/05/01 08:35
S73	6	S72 and (elliptical ellipse ellipsis parabolical parabolic parabola paraboloid)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:38
S74	4	S72 and (elliptical ellipse ellipsis hyperbolic hyperbolical hyperbola)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:42
S75	42	(shading vignet\$4) near5 (elliptical ellipse ellipsis hyperbolic hyperbolical hyperbola)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:42